IN THE ABSTRACT:

Please delete the present Abstract of the Disclosure and replace it with the following

new Abstract of the Disclosure.

Abstract

A synchronization procedure for a multipoint-to-point CDMA network (2), which minimizes the influence on the information transmission. Instead of interleaving communications and synchronization signals timewise, a simultaneous emission is proposed, in which the synchronization signals are superimposed on the communications signals. The synchronization signals are coded with a special synchronization code (6), which does not correspond to the CDMA communications code of the information signals, e.g Barker code. In addition, the synchronization signals are sent at a lower amplitude compared with the communications signals. The synchronization signals are also modulated (7) prior to sending, in particular using alternating multiplication by +1 and -1. On the receiving side (3), the synchronization signals are detected by demodulation (12; 15), correlation (13; 16) and subsequent accumulation. The transmission capacity for the communications signals is maximized by this procedure and the influence of the synchronization signals on the communications signals minimized.